

AMENDMENTS

Listing of Claims

The following listing of claims replaces all previous listings or versions thereof:

1. (Currently amended) A composition for enhancing immune response in an animal, comprising[[:]] a peptide selected from the group consisting of SEQ. ID. NO: 1, SEQ. ID. NO: 3, SEQ. ID. NO: 4, SEQ. ID. NO: 5, SEQ. ID. NO: 6, and SEQ. ID. NO: 7, ~~and functional equivalents,~~ and further comprising an antigen.
2. (Cancelled).
3. (Previously presented) The composition of claim 1, wherein the antigen is cholera toxin.
4. (Previously presented) The composition of claim 1, wherein the peptide and antigen comprise a fusion protein.
5. (Original) The composition of claim 1, wherein the composition is capable of mucosal administration.
6. (Previously presented) The composition of claim 1, wherein the composition is formulated as a systemic adjuvant.
7. (Previously presented) The composition of claim 1, wherein the composition is formulated as a mucosal adjuvant.
8. (Previously presented) The composition of claim 1, wherein the composition is formulated as an epidermal adjuvant.
9. (Previously presented) A method of enhancing an immune response in an animal comprising: providing a composition of claim 1 to the animal.
10. (Cancelled)
11. (Previously presented) The method of claim 9, wherein the antigen is a cholera toxin.

12. (Previously presented) The method of claim 11, wherein the peptide and the antigen comprise a fusion protein.

13. (Previously presented) The method of claim 9, wherein the step of administering the peptide is carried out mucosally.

14-28. Cancelled.

29. (Previously presented) The composition of claim 4, wherein the fusion protein comprises the protein of SEQ ID NO:9.

30. (Previously presented) The method of claim 12, wherein the fusion protein comprises the protein of SEQ ID NO:9.